



DATE: December 13, 1993

TO: District Engineers
District Field Engineers
District Construction Engineers
Resident/Project Engineers

FROM: Gerald D. Dobie
Engineer of Construction

SUBJECT: **CONSTRUCTION INSTRUCTIONAL MEMORANDUM 1993-29**
Conversion of Compressive Strength to Flexural Strength

The Standard Specifications allowing for early form removal and/or opening to traffic refers to flexural strength determinations only. There is no reference to compressive strength, except for 28-day strength acceptance.

Because of the increased use of cylinders for strength determinations, the following table has been established. Because of the variation between compressive and flexural strength relationship, these values shall be used only for early removal of forms and/or opening to traffic.

Acceptance of concrete shall still be based on actual flexural or compressive strength at 28 days. All other applicable standard specifications shall apply.

STRENGTH TABLE

Compressive Strength (psi)	Flexural Strength (psi)
2070	500
2280	525
2500	550
2730	575
2980	600
3230	625
3490	650
3770	675
4050	700
4340	725

Subject Index: Concrete

Engineer of Construction

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cc: Engineering Services Division

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